Ontario Ministry of Northern Development and Mines

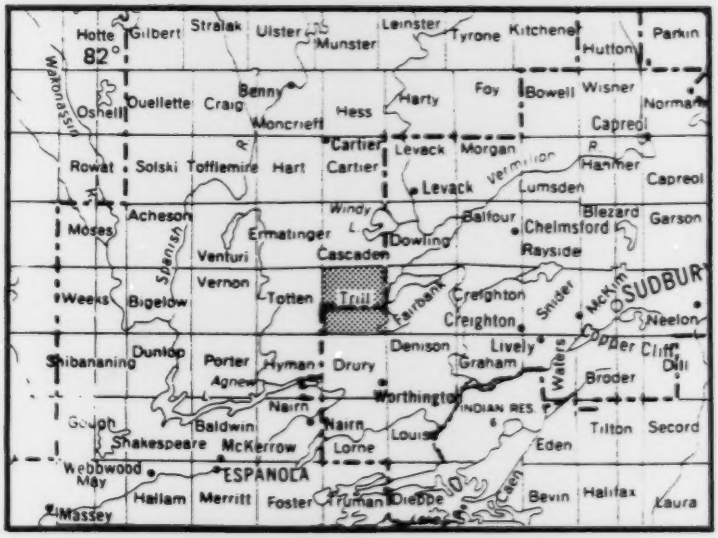
Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO 461

# TRILL TOWNSHIP


Compiled by the Staff of
the Resident Geologist's Office
Sudbury


LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

CANADA ONTARIO Mineral Development Exploitation Minerale


This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

90-00706/

NTS Number 41 I/12

Mining Claim Map Number M.1163

This project was funded under the Canada-Ontario Mineral Development Agreement (COMDA)

**STATEMENT:** This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey

1989: Trill Township, Ontario Geological Survey, Geological Data Inventory Folio 461, compiled by the staff of the Resident Geologist's Office, Sudbury; 29 pages and 2 Maps.

**Original Compilation by:** Lacey, J. Kerry, March 1988

| Date | Page Revised | Revised by |
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# CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

| CONVERSION FROM SI TO IMPERIAL | | | CONVERSION FROM IMPERIAL TO SI | | |
|---|---|---|---|---|---|
| *SI Unit* | *Multiplied by* | *Gives* | *Imperial Unit* | *Multiplied by* | *Gives* |
| | | LENGTH | | | |
| 1 mm | 0.039 37 | inches | 1 inch | **25.4** | mm |
| 1 cm | 0.393 70 | inches | 1 inch | **2.54** | cm |
| 1 m | 3.280 84 | feet | 1 foot | **0.304 8** | m |
| 1 m | 0.049 709 7 | chains | 1 chain | **20.116 8** | m |
| 1 km | 0.621 371 | miles (statute) | 1 mile (statute) | **1.609 344** | km |
| | | AREA | | | |
| 1 $cm^2$ | 0.155 0 | square inches | 1 square inch | **6.451 6** | $cm^2$ |
| 1 $m^2$ | 10.763 9 | square feet | 1 square foot | **0.092 903 04** | $m^2$ |
| 1 $km^2$ | 0.386 10 | square miles | 1 square mile | **2.589 988** | $km^2$ |
| 1 ha | 2.471 054 | acres | 1 acre | **0.404 685 6** | ha |
| | | VOLUME | | | |
| 1 $cm^3$ | 0.061 02 | cubic inches | 1 cubic inch | **16.387 064** | $cm^3$ |
| 1 $m^3$ | 35.314 7 | cubic feet | 1 cubic foot | **0.028 316 85** | $m^3$ |
| 1 $m^3$ | 1.308 0 | cubic yards | 1 cubic yard | **0.764 555** | $m^3$ |
| | | CAPACITY | | | |
| 1 L | 1.759 755 | pints | 1 pint | **0.568 261** | L |
| 1 L | 0.879 877 | quarts | 1 quart | **1.136 522** | L |
| 1 L | 0.219 969 | gallons | 1 gallon | **4.546 090** | L |
| | | MASS | | | |
| 1 g | 0.035 273 96 | ounces (avdp) | 1 ounce (avdp) | **28.349 523** | g |
| 1 g | 0.032 150 75 | ounces (troy) | 1 ounce (troy) | **31.103 476 8** | g |
| 1 kg | 2.204 62 | pounds (avdp) | 1 pound (avdp) | **0.453 592 37** | kg |
| 1 kg | 0.001 102 3 | tons (short) | 1 ton (short) | **907.184 74** | kg |
| 1 t | 1.102 311 | tons (short) | 1 ton (short) | **0.907 184 74** | t |
| 1 kg | 0.000 984 21 | tons (long) | 1 ton (long) | **1016.046 908 8** | kg |
| 1 t | 0.984 206 5 | tons (long) | 1 ton (long) | **1.016 046 908 8** | t |
| | | CONCENTRATION | | | |
| 1 g/t | 0.029 166 6 | ounce (troy)/ ton (short) | 1 ounce (troy)/ ton (short) | 34.285 714 2 | g/t |
| 1 g/t | 0.583 333 33 | pennyweights/ ton (short) | 1 pennyweight/ ton (short) | 1.714 285 7 | g/t |

## OTHER USEFUL CONVERSION FACTORS

| | | |
|---|---|---|
| 1 ounce (troy)/ton (short) | 20.0 | pennyweights/ton (short) |
| 1 pennyweight/ton (short) | 0.05 | ounce (troy)/ton (short) |

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

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## ACCOMPANYING MAPS

Property Location Map 1

Exploration Data Map 1

Map Scale 1: 31 680 or 1 inch to ½ mile

# DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

| | SOURCES OF DATA | Data | Initial |
|---|---|---|---|
| 1 | Resident Geologist's Office Files | Yes | K.L. |
| 2 | Assessment Files Research Office, Toronto | N.A. | K.L. |
| 3 | ODM General Index; 9 Volumes | Yes | K.L. |
| 4 | Catalogue of Airborne Geophysical Surveys (ODM) | No | K.L. |
| 5 | ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars | Yes | K.L. |
| 6 | ODM Industrial Mineral Reports | No | K.L. |
| 7 | Bibliography of Post Precambrian Theses - Karrow (ODM MP 1) | No | K.L. |
| 8 | Bibliography of Precambrian Theses - Ginn (ODM MP 2) | Yes | K.L. |
| 9 | Newspaper Clippings File | No | K.L. |
| 10 | GSC Index to Publications | Yes | K.L. |
| 11 | OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77 | Yes | K.L. |
| 12 | OGS Index Maps | Yes | K.L. |
| 13 | Source Mineral Deposit Records (O.G.S.) | Yes | K.L. |
| 14 | Author - Subject Articles File | Yes | K.L. |
| 15 | Miscellaneous Papers: ODM & OGS | Yes | K.L. |
| 16 | ODM Geological Circulars: OGS Study Series | Yes | K.L. |
| 17 | ODM Preliminary Reports: ODM Bulletins | Yes | K.L. |
| 18 | ODM – OGS Open File Reports | Yes | K.L. |
| 19 | OGS Northern Ontario Engineering Geology Terrain Studies | Yes | K.L. |
| 20 | OGS Aggregate Resources Inventory Papers | No | K.L. |
| 21 | OGS Mineral Potential Maps | Yes | K.L. |
| | | | |

# METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . Beryl
△ Bi. . . . . Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
△ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)
△ fu. . . . . .Fuchsite
▲ gn. . . . . .Galena
△ gt. . . . . .Garnet
△ goe . . . . . .Goethite
▲ Au . . . . . Gold
△ gf . . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . .Gypsum
△ hem . . . . . Hematite
△ il . . . . . Ilmenite
△ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
△ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . Magnesite
△ mag . . . . . Magnetite
△ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . Millerite
△ mo . . . . . Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
▲ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
▲ po . . . . . .Pyrrhotite
△ q . . . . . Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . Shale
△ sid . . . . . Siderite
△ si . . . . . Silica
▲ Ag . . . . . .Silver
△ sl . . . . . Slate
△ sm . . . . . .Smaltite
△ sod. . . . . Sodalite
△ spec . . . . . Specularite
△ sp. . . . . .Sphalerite
△ spd. . . . . .Spodumene
△ staur. . . . . .Staurolite
△ stib. . . . . Stibnite
△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
▲ Zn . . . . . .Zinc
△ zr. . . . . Zircon

**Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.**

TRILL TOWNSHIP

## MINERAL OCCURRENCES

| Map Ref. Letter | Name(s) | Mineralization | Source Mineral Deposit Record | References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports | Additional References and/or Remarks |
|---|---|---|---|---|---|
| A | Sultana Property | Cu, Ni | Ni 5 | MRC 12, p. 268 | ODM AR Vol. 14, pt. 3, p. 22 |
| B | Trillabelle (Gillespie) Mine | Cu, Ni | Ni 4 | MRC 12, p. 268 | ODM AR Vol. 13, pt. 1, p.196 |
| C | Sudbury Elbow Mines Ltd. | Cu,Zn,Ag, Au | Cu 6 | | |
| D | Ross and Cameron Lakes (Sudbury Lode Mines) | py,po,cp, gn | Cu 1 | MRC 12, p. 282 | |
| E | Copper Occurrence North of Ross Lake (Sudbury Lode Mines) | Cu | Cu 1 | MRC 12, p. 282 | |

GDIF FORM NO. 1

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY<br>COMPANY/AUTHOR (file number) | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | SHAFT WORK | | |
| 1 | Sultana Property (Inco Ltd., McVittie-Graham Mines, British Empire Steel Corp., Miller, S.E. Boyer, B.) | | | 1891 | 05 30 | | | | | | | | | | | | | 1890 | | |
| 2 | Trillabelle Mine (Inco Ltd., Mann, G.W., Gillespie, R.) | | | 1890 | s | | | | | | | | | | | | | 1890 | 's | |
| 3 | Inco Ltd. (Trill 0010-B1) | | | | 50 | | | | | | | | | | | | | | | |
| 4 | Inco Ltd. (Trill 0010-B1) | | | | 50 | | | | | | | | | | | | | | | |
| 5 | Inco Ltd. (Trill 0010-B1) | | | | 50 | | | | | | | | | | | | | | | |
| 6 | Inco Ltd. (Trill 0010-B1) | | | | 50 | | | | | | | | | | | | | | | |
| 7 | Inco Ltd. (Trill 0010-B1) | | | | 50 | | | | | | | | | | | | | | | |
| 8 | Inco Ltd. (Trill 0010-B1) | | | | 50 | | | | | | | | | | | | | | | |
| 9 | Inco Ltd. (Trill 0010-B1) | | | | 50 | | | | | | | | | | | | | | | |
| 10 | Inco Ltd. (Trill 0010-B1) | | | | 51 | | | | | | | | | | | | | | | |
| 11 | Inco Ltd. (Trill 0010-B1) | | | | 67 | | | | | | | | | | | | | | | |

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| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| 12 | Inco Ltd. (Trill 0010-B1) | | | | 67 | | | | | | | | | | | | | | | |
| 13 | Inco Ltd. (Trill 0010-B1) | | | | 69 | | | | | | | | | | | | | | | |
| 14 | Inco Ltd. (Trill 0010-B1) | | | | 69 | | | | | | | | | | | | | | | |
| 15 | Inco Ltd. (Trill 0010-B1) | | | | 50, 51 | | | | | | | | | | | | | | | |
| 16 | Inco Ltd. (Trill 0013-B1) | | | | 53 | | | | | | | | | | | | | | | |
| 17 | Inco Ltd. (Trill 0013-B1) | | | | 51 52 | | | | | | | | | | | | | | | |
| 18 | Falconbridge Nickel Mines Ltd. (Trill 0011-B1) | | | | 50 51 52 | | | | | | | | | | | | | | | |
| 19 | Falconbridge Nickel Mines Ltd. (Trill 0011-B1) | | | | 69 72 | | | | | | | | | | | | | | | |
| 20 | Falconbridge Nickel Mines Ltd. (Trill 0013-D1) | | | | 51 52 53 | | | | | | | | | | | | | | | |
| 21 | Falconbridge Nickel Mines Ltd. (Trill 0013-D1) | | | | 51, 53 | | | | | | | | | | | | | | | |

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done;e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| 22 | Falconbridge Nickel Mines Ltd. (Cascaden 0020) | 50 | | | | | | | | | | 50 | 50 | | | | | | | |
| 23 | Noranda Mines Ltd. (Cascaden 0019) | 53 | | | | | | | | | | 53 | | | | | | | | |
| 24 | Noranda Mines Ltd. (Drury 0027) | | | | | | | | | | | 52 | | | | | | | | |
| 25 | Noranda Mines Ltd., Cryderman, J.R. Option (Trill 0010-A1) | | | | 54 | | | | | | | | | | | | | | | |
| 26 | Transnorthern Nickel and Copper Mines Ltd. (Trill 0016) | 53 | | | | | | | | | | 53 | | | | | | | | |
| 27 | Callinan Flin Flon Mines Ltd., Transnorthern Nickel and Copper Mines Ltd. (Trill 0012) | | | | 53<br>56<br>57 | | | | | | | | | | | | | | | |
| 28 | Aird, J.B. (Trill 0014-A1) | 54 | | | | | | | | | | 54 | | | | | | | | |
| 29 | Sudbury Northrim Exploration Co. Ltd. (Lumsden 0012) | 52 | | 52? | | | | 52 | | | | | | | | | | | | |

GDIF FORM NO. 2

TRILL TOWNSHIP

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | COMPANY/AUTHOR (file number) | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| 30 | Martin, H.E. (Trill 0011-A1) | | | | 56 | | | | | | | | | | | | | | | |
| 31 | Plaskett, G.G. (Trill 0017-A1) For work see files Trill 0014-B1, 0015-B1 and 0015-A1 | | | | | | | | | | | 71 | 71 | | 71 | | | | | |
| 32 | Grimsell, S. (Trill 0017-A1) For work see files Trill 0015-B1 and 0015-A1 | | | | | | | | | | | 70 | 70 | | | | | | | |
| 33 | Alanen, W. (Trill 0017-C1) For work see file Trill 0015-B1) | | | | | | | | | | | | 70 | | | | | | | |
| 34 | Rastall, D.E. (Trill 0017-D1) For work see files Trill 0015-A1 and 0015-B1 | | | | | | | | | | | 70 | 70 | | | | | | | |
| 35 | Cryderman, J.R. (Trill 0013-A1) | | | | 56 | | | | | | | | | | | | | | | |
| 36 | Canadex Mining Corporation Ltd. (Trill 0017-E1) | | | | | | | 69 | | | | | | | | | | | | |

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | SHAFT WORK | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| 37 | Canadex Mining Corporation Ltd. (Trill 0015-A1) | | | | | | | | | | | 69 | | | | | | | | |
| 38 | Canadex Mining Corporation Ltd. (Trill 0015-B1) | | | | | | | | | | | | 69 | | | | | | | |
| 39 | Canadex Mining Corporation Ltd. (Trill 0014-B1) | | | | | | | | | | | | | | 70 | | | | | |
| 40 | New Fortune Mines Ltd. (Fairbank 0017) | | | | | | | | | | | 55 | 55 | | | | 53 | | | |
| 41 | Sudbay Exploration and Mining Ltd. (Fairbank 0015) | 53 | | | | | | | | | | | 53 | | | | | | | |
| 42 | Sudbay Exploration and Mining Ltd. (Fairbank 0018-B1) | | | | | | | 53 | | | | | | | | | | | | |
| 43 | Sudbury Elbow Mines Ltd. | | | 28<br>29 | | 29 | | | | | | | | | | | | | | |
| 44 | Sudbury Lode Mines Ltd. | | | | 28 | | | | | | | 28[1] | | | | | 28[1] | 28[1] | | |

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done;e.g., 68 for 1968. | | |

10 TRILL TOWNSHIP

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden | Total Length of Hole | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Sultana Prøperty | | 1905 | no other data | | | | | |
| 1 | | | 1930 | no other data | | | | | |
| 2 | Incc Ltd. | 5990 | 1950 | - | 90 | 116' | 1801' | | |
| 3 | | 5991 | 1950 | - | 90 | 3' | 1990' | | |
| 4 | | 7458 | 1950 | - | 90 | 140' | 2001' | | |
| 5 | | 7461 | 1950 | - | 90 | 59' | 3165' | | |
| 6 | | 7462 | 1950 | - | 90 | 25' | 3304' | | |
| 7 | | 7463 | 1950 | - | 90 | 30' | 2800' | | |
| 8 | | 7465 | 1950 | - | 90 | 14' | 2800' | | |
| 9 | | 9610A | 1951 | NW | 87 | 2' | 1693' | minor sulphides | |
| 10 | | 9617 | 1951 | NW | 85 | 1' | 102' | | |
| 11 | | 9618 | 1951 | NW | 85 | 1' | 102' | | |
| 12 | | 9619 | 1951 | NW | 85 | 1' | 103' | | |
| 13 | | 26443 | 1967 | - | 90 | 17' | 1203' | | |
| 14 | | 26448 | 1967 | - | 90 | 10' | 3053.8' | | |
| 15 | | 36972 | 1969 | 312 | 60 | 32' | 1086' | | |
| 16 | | 41251 | 1969 | 312 | 60 | 6' | 1108' | | |
| 17 | | 41252 | 1969 | 45 | 312 | 4' | 418' | | |
| 18 | | 36974 | 1969 | - | 90 | 4' | 838' | | |
| 19 | | 36975 | 1969 | - | 90 | 15' | 1091' | | |
| 20 | | 5994 | 1950 | N33E | 60 | 4' | 429' | | |
| 21 | | 5986 | 1951 | N | 87 | 25' | 506' | | |
| 22 | | 7464 | 1950 | - | 90 | 47' | 2894' | | |
| 23 | | 10657 | 1953 | - | 90 | 12' | 802' | | |
| 24 | | 10658 | 1953 | S | 80 | 40' | 900' | | |
| 25 | | 10659 | 1953 | N | 80 | 39' | 906' | | |
| 26 | | 10660 | 1953 | N | 45 | 10' | 901' | | |
| 27 | | 10661 | 1953 | N | 55 | 4' | 903' | | |
| 28 | | 10662 | 1953 | S | 70 | 13' | 728' | | |
| 29 | | 10663 | 1953 | N | 55 | 15' | 1074' | | |
| 30 | | 10664 | 1953 | N | 65 | 15' | 902' | | |
| 31 | | 10665 | 1953 | - | 90 | 10' | 902' | | |
| 32 | | 10666 | 1953 | S | 58 | 10' | 995' | | |
| 33 | | 10667 | 1953 | N | 45 | 10' | 806' | | |

GDIF FORM NO. 3

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden | Total Length of Hole | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 34 | Inco Ltd. (cont'd) | 9609 | 1951 | N52W | 45 | 0 | 408' | | |
| 35 | | 9610 | 1951 | N52W | 55 | 6' | 1139' | py | |
| 36 | | 9611 | 1951 | N52W | 70 | 7' | 268' | | |
| 37 | | 9612 | 1951 | N43W | 65 | 5' | 303' | | |
| 38 | | 9613 | 1952 | N43W | 65 | 26' | 903' | | |
| 39 | | 9651 | 1952 | SE | 20 | 6' | 101' | py | |
| 40 | | 9652 | 1952 | SE | 20 | 6' | 203' | py | |
| 41 | | 9653 | 1952 | NW | 70 | 6' | 1070' | | |
| 42 | | 9655 | 1952 | NW | 70 | 6' | 109' | | |
| 43 | | 9656 | 1952 | NW | 70 | 6' | 1150' | | |
| 44 | Falconbridge Nickel | T-XC-1-50 | 1950 | - | 50 | 1' | 250' | | |
| 44 | Mines Ltd. | T-XC-2-50 | 1950 | - | 55 | 2' | 111' | | |
| 44 | | T-XC-4-51 | 1951 | N35W | 65 | 0 | 120' | | |
| 44 | | T-XC-5-51 | 1951 | N35W | 65 | 0 | 120' | | |
| 44 | | T-XC-6-51 | 1951 | N35W | 65 | 0 | 120' | | |
| 44 | | T-XC-3-52 | 1952 | - | 40 | 2.5' | 510' | | |
| 44 | | T-XC-4-52 | 1952 | N45W | 75 | 4' | 489' | | |
| 45 | | T-XC-3-50 | 1950 | - | 55 | 7' | 100' | | |
| 45 | | T-XC-4-50 | 1950 | - | 90 | 1' | 96' | | |
| 45 | | T-XC-5-50 | 1950 | - | 90 | 3' | 125' | | |
| 45 | | T-XC-6-50 | 1950 | - | 90 | 1' | 45' | | |
| 45 | | T-XC-3-51 | 1951 | W | 53 | 0 | 360' | | |
| 45 | | T-XC-1-52 | 1952 | - | 43 | 0 | 600' | | |
| 45 | | T-XC-2-52 | 1952 | - | 65 | 0 | 399' | | |
| 46 | | T-XC-7-50 | 1950 | - | 45 | 0 | 89' | | |
| 46 | | T-XC-8-50 | 1950 | - | 45 | 0 | 93' | | |
| 46 | | T-XC-9-50 | 1950 | - | 45 | 0 | 88' | | |
| 46 | | T-XC-10-50 | 1950 | - | 45 | 0 | 90' | | |
| 46 | | T-XC-7-51 | 1951 | N20W | 45 | 0 | 172' | | |
| 46 | | T-XC-8-51 | 1951 | N20W | 45 | 0 | 188' | | |
| 46 | | T-XC-5-52 | 1952 | N | 45 | 0 | 510' | | |
| 46 | | T-XC-6-52 | 1952 | N | 78 | 2' | 489' | | |
| 47 | | T-XC-11-50 | 1950 | - | 90 | 0 | 86' | | |

GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden | Total Length of Hole | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 47 | Falconbridge Nickel | T-XC-12-50 | 1950 | - | 90 | 0 | 92' | | |
| 47 | Mines Ltd. (cont'd) | T-XC-13-50 | 1950 | - | 90 | 0 | 90' | | |
| 47 | | T-XC-14-50 | 1950 | - | 90 | 0 | 93' | | |
| 48 | | T-XC-9-51 | 1951 | N30W | 67 | 0 | 360' | py | |
| 49 | | T-XC-7-52 | 1952 | N65W | 45 | 0 | 479' | | |
| 49 | | T-XC-8-52 | 1952 | N05W | 78 | 4' | 520' | | |
| 50 | | T-36 | 1969 | - | 70 | 40' | 1201' | | |
| 50 | | T-40 | 1972 | - | 90 | 15' | 107' | py | |
| 50 | | T-41 | 1972 | N | 85 | 16' | 105' | py, cp | |
| 51 | | T-XC-1 | 1953 | S80W | 40 | 0 | 500' | | |
| 52 | | T-XC-2 | 1953 | N55W | 50 | 0 | 238' | | |
| 53 | | T-XC-3 | 1953 | N55W | 55 | 0 | 219' | | |
| 54 | | T-XC-9 | 1952 | S10E | 50 | 0 | 360' | | |
| 55 | | T-XC-10 | 1952 | W | 45 | 0 | 360' | | |
| 56 | | T-101 | 1951 | - | 90 | 0 | 443' | | |
| 57 | | T-102 | 1951 | - | 90 | 0 | 360' | | |
| 58 | | T-XC-4 | 1953 | E | 43 | 0 | 140' | py, cp | |
| 58 | | T-XC-5 | 1953 | E | 48 | 0 | 188' | minor sulphides | |
| 58 | | T-XC-6 | 1953 | ? | 43 | 0 | 102' | | |
| 58 | | T-XC-2 | 1951 | N85W | 47 | 0 | 120' | py | |
| 59 | Noranda Mines Ltd. | 1 | 1954 | N40W | 45 | 45' | 649.1' | py | |
| 60 | | 2 | 1954 | N40W | 55 | 16' | 300' | py | |
| 61 | | 3 | 1954 | N45W | 50 | 25' | 300' | py, mag, hem | |
| 62 | | 4 | 1954 | S65E | 50 | 20' | 354' | py | |
| 63 | Callinan Flin Flon | 1-53 | 1953 | N38E | 45 | 5' | 500' | py, po, cp | |
| 64 | Mines Ltd. | 2-53 | 1953 | N30E | 40 | 17' | 300' | py, po | |
| 65 | | 3-53 | 1953 | N38E | 55 | 4' | 497' | py, cp | |
| 66 | | 5-53 | 1953 | S65W | 45 | 17' | 355' | | |
| 67 | | 6-53 | 1953 | W | 45 | 16' | 382' | | |
| 68 | | F1 | 1957 | 225 | 45 | 33' | 252' | | |
| 69 | | F2 | 1957 | 270 | 47 | 47' | 47' | | |
| 70 | | R1 | 1957 | - | 90 | 12' | 38' | | |
| 70 | | R2 | 1957 | - | 90 | 19' | 43' | | |

GDIF FORM NO. 3

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden | Total Length of Hole | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 70 | Callinan Flin Flon | R3 | 1957 | - | 90 | 13' | 29' | | |
| 71 | Mines Ltd. (cont'd) | 4-53 | 1953 | N15W | 50 | 10' | 303' | | |
| 71 | | 1-56 | 1956 | | 90 | 0 | 52' | | |
| 71 | | 2-56 | 1956 | | 90 | 0 | 57' | | |
| 71 | | 3-56 | 1956 | | 90 | 0 | 47' | | |
| 71 | | 4-56 | 1956 | | 90 | 0 | 25' | | |
| 71 | | 5-56 | 1956 | | 90 | 0 | 56' | | |
| 71 | | 6-56 | 1956 | | 90 | 0 | 53' | | |
| 71 | | 7-56 | 1956 | | 90 | 0 | 38' | | |
| 71 | | 8-56 | 1956 | | 90 | 0 | 33' | | |
| 71 | | 9-56 | 1956 | | 90 | 0 | 48' | | |
| 71 | | 10-56 | 1956 | | 90 | 0 | 37' | | |
| 71 | | 11-56 | 1956 | | 90 | 0 | 35' | | |
| 72 | Martin, H.E. | 1 | 1956 | | 90 | 34 | 1265' | sulphides | |
| 73 | Cryderman, J.R. | 2 | 1956 | W | 50 | 8 | 545' | py | |
| 74 | Sudbury Lode Mines Ltd. | | 1928 | 4 drillholes | | totalling | 2000' | | |

GDIF FORM NO. 3

14 TRILL TOWNSHIP

# AIRBORNE GEOPHYSICAL SURVEY DATA

| No. | By<br>For | Type of Survey | Flight Altitude | Flight Line Direction | Flight Line Spacing |
|---|---|---|---|---|---|
| | | | | | |

GDIF FORM NO. 4

TRILL TOWNSHIP

| Map Sample Site Reference Number | GEOCHEMICAL SURVEY DATA | | By | Reference |
|---|---|---|---|---|
| | Type of Survey | Analysis For | | |
| | | | | |

GDIF FORM NO. 5

# MISCELLANEOUS DATA

## AGE DATING

| Site | Method | Material | Reference | Result |
|---|---|---|---|---|
| | | | | |

GDIF FORM NO.6

# NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

# ODM GENERAL INDEX SEARCH

**Words searched:**

AIRD, J. B.
ALANER, W.
ARMSTRONG LAKE
CALLINAN-FLIN FLON MINES LTD.
CAMERON FAULT
CAMERON LAKE (CREEK)
CANADEX MINING CORP.
CRYDERMAN, J. R.
FAIRBANK (LAKE) (PARK)
FALCONBRIDGE NICKEL COMPANY LIMITED
GRIMSEL, S.
INTERNATIONAL NICKEL COMPANY LIMITED

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 1 | ARMSTRONG LAKE, Trill Tp. | | | |
| | Rocks on and near | 14 | 3 | 64 |
| | Laurentian | 13 | 1 | 196 |
| 1 | CAMERON LAKE, Trill Tp. | | | |
| | Rocks near | 13 | 1 | 196 |
| | nickel-bearing | 14 | 3 | 23 |
| 1 | SULTANA NICKEL MINE, Drury and Trill tps. | | | |
| | ch | X | | 36 |
| | Deposits character | 14 | 3 | 27 |
| | Notes by Coleman | 13 | 1 | 195,196 |
| | | 14 | 3 | 22, 23 |
| | Rocks in and near | | | |
| | conglomerate | 14 | 3 | 80 |
| | gossan | 14 | 3 | 23 |
| | nickel-eruptive | 13 | 1 | 214 |
| | | 14 | 3 | 23,63, 112 |
| | petrography | 13 | 1 | 209 |
| 1 | TRILL TP., | | | |
| | Copper prospecting | 3 | | 8 |
| | | 9 | | 98 |
| | Gold | 1 | | 225 |
| | Nickel | 4 | | 248 |
| | | 12 | | 276 |
| | Pine | 13 | 1 | 193 |
| | Road, built by government | 6 | | 9 |
| | conglomerate | 14 | 3 | 131 |
| | greenstone | 1 | | 75 |
| | Huronian | 1 | | 85 |
| | nickel-bearing | 14 | 3 | 23,63,64 |
| | swamps | 13 | 1 | 193 |
| 1 | TRILLABELLE MINE, Trill Tp. | | | |
| | Absence of Gossan near | 14 | 3 | 65 |
| | Geology of, notes by Coleman | 14 | 3 | 63, 64 |
| | Notes | 4 | | 248 |
| | Notes | 13 | 1 | 196 |
| 2 | SULTANA NICKEL MINE, Drury & Trill tps. | | | |
| | Historical notes | N.C. | R | 45 |
| | Location | N.C. | R | 104 |
| | Minor reference | N.C. | A | 12, 17 |
| | Orebody described | N.C. | R | 188 |
| | Rocks, notes and diagrams | 34 | 8 | 48 |

GDIF FORM NO. 8

# ODM GENERAL INDEX SEARCH

**Words searched:**

MARTIN, H. E.
NEWFORTUNE MINES LTD.
NORANDA MINES LTD.
PLASKETT, G. G.
RASTALL, D. E.
ROSS LAKE
SUDBAY EXPLORATION LIMITED
SUDBURY BASIN
SUDBURY ELBOW MINES LIMITED
SULTANA MINE
TRILL TOWNSHIP
TRILLABELLE MINE

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 2 | TRILL TP; Sudbury | | | |
| | Nickel deposits | N.C. | A | 17 |
| | | N.C. | R | 45 |
| | | N.C. | R | 188 |
| | | N.C. | R | 208 |
| | borings | N.C. | R | 185 |
| | Norite | 29 | 1 | 202,204 |
| 2 | TRILLABELLE NICKEL MINE; Trill Tp. | | | |
| | Historical notes | N.C. | R | 45 |
| | Location | N.C. | R | 104 |
| | Orebody, note | N.C. | R | 208 |
| 3 | CAMERON LAKE. Trill tp. | | | |
| | Fault near | | | |
| | Norite-micropegmatite | 38 | 3 | 35 |
| 3 | FAIRBANK LAKE, Fairbank & Trill tps. | | | |
| | Rocks | 38 | 3 | 7 |
| 3 | SUDBURY ELBOW MINES LTD. | | | |
| | Incorporated | 38 | 1 | 56 |
| 3 | SUDBURY LODE MINES LTD. | | | |
| | Incorporated | 38 | 1 | 56 |
| 3 | TRILL TP., Sud. | | | |
| | Breccia | 38 | 3 | 20 |
| | Fault, Cameron l | 38 | 3 | 35, 36 |
| | Rhyolite, notes and analysis | 38 | 3 | 22 |
| 5 | NEW FORTUNE MINES LTD. | | | |
| | Incorporated | 62 | 1 | 59 |
| 5 | SUDBAY EXPLORATION & MINING LIMITED | | | |
| | Incorporated | 62 | 1 | 59 |
| 5 | TRILL TP., Sud. | | | |
| | Fault | 61 | 4 | 24, 27 |
| 6 | TRILL TP., Sud. | | | |
| | Fault | 65 | 3 | 34, 38 |
| | Rocks | 65 | 3 | 31, 74 |
| 8 | CAMERON CREEK SOLE FAULT | | | |
| | Sudbury area, Sudbury Dist. | MP30 | | 5,7,18 |

GDIF FORM NO. 8

# ODM GENERAL INDEX SEARCH

**Words searched:**

WEST CAMERON LAKE

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 9 | TRILL TP., SUDBURY DISTRICT | | | |
| | Geology of the Sudbury-Espanola Area | | SO | 16 |
| | Geology of the Sudbury-Manitoulin Area | GR166 | | |
| | Geology (quaternary) of the Sudbury Basin Area | GR181 | | |

GDIF FORM NO. 8

# SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | REGIONAL GEOLOGICAL COMPILATION MAPS | | |
| Burwasser, G. J. | 1979 | Quaternary Geology of the Sudbury Area, District of Sudbury | OGS Map 2397 | 1:50 000 |
| Card, K. D. | 1966-67 | Sudbury Mining Area | ODM Map 2170 | 1" = 1 mile |
| | 1965-67 | Cartier Sheet | ODM Map P.287 | 1" = 2 miles |
| | 1970 | Sudbury-Manitoulin Geological Compilation | OGS Map 2360 | 1" = 2 miles |
| Card, K. D., Lumbers, S. B. | 1974,76 | Sudbury-Cobalt Geological Compilation (revised) | OGS Map 2361 | 1" = 4 miles |
| Collins, W. H., Moore E.S., Freeman, B. C. | 1938 | Copper Cliff Sheet | ODM 292A | 1" = 1 mile |
| Collins, W. H., Quirke, T.T | 1938 | Espanola Sheet | ODM 291A | 1" = 1 mile |
| Dressler, B. O. | 1983 | Sudbury Mining Area | OGS Map 2602 | 1: 50 000 |
| | 1984 | Sudbury Geological Compilation | OGS Map 2491 | 1:50 000 |
| Lafleur, Jean, Maerz, N., Dressler, B. O. | 1982 | Precambrian Geology of Trill Township | OGS Map P.2527 | 1" = ½ mile |
| Thomson, J. E. | 1961 | Espanola Sheet | ODM Map P.105 | 1" = 2 miles |
| | | GEOPHYSICAL MAPS | | |
| ODM - GSC | 1965 | Aeromagnetic - Cartier | Map P.1524-G | 1" = 1 mile |
| | 1965 | Aeromagnetic - Chelmsford | Map P.1518-G | 1" = 1 mile |

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| ODM - GSC, cont'd | 1965 | Aeromagnetic - Espanola | Map P.1523-G | 1" = 1 mile |
| | 1965 | Aeromagnetic - Sudbury Sheet | Map P.7067G | 1" = 4 miles |
| | 1976 | Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey, Sudbury | Map P.1610 | 1:250 000 |
| Gupta, V. K. | 1981 | Bouguer Gravity and Generalized Geological Map of the Sudbury-Onaping Lake Area | OGS Map 2482 | 1:100 000 |
| | | SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING | | |
| Burwasser, G. J. | 1972 | Quaternary Geology and Industrial Mineral Resources of the Sudbury area (Western part) | Map P.751 | 1:50 000 |
| | 1972 | Sudbury Quaternary Geology | Map 2397 | 1:50 000 |
| E. M. R. | 1975 | Topographic Map, Cartier | 41/I 12 | 1:50 000 |
| | 1975 | Topographic Map, Chelmsford | 41/I 11 | 1:50 000 |
| | 1975 | Topographic Map, Copper Cliff | 41/I 6 | 1:50 000 |
| | 1975 | Topographic Map, Espanola | 41/I 5 | 1:50 000 |
| Gartner, J. F. | 1980 | N.O.E.G.T.S. Data Base Map, Cartier | Map 5000 | 1:100 000 |
| | 1980 | N.O.E.G.T. Study 94, Cartier | | |
| | 1980 | N.O.E.G.T.S. General Construction Capability Map | Map 5004 | 1:100 000 |
| | 1980 | N.O.E.G.T.S. Data Base Map, Espanola | Map 5002 | 1:100 000 |
| | 1980 | N.O.E.G.T. Study 99, Espanola | | |

GDIF FORM NO.9

# SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Gartner, J. F., cont'd | 1987 | Surficial Geology of Northern Ontario | OGS Map 2518 | 1:1 200 000 |
| | | MINERAL POTENTIAL MAPS | | |
| Innes, D. G., Jost, M. | 1977 | Nickel Deposits of Ontario, East Central Sheet | Map P.1062 | 1" = 16 miles |
| OGS & Mineral Resources Branch | 1976 | Mineral Potential Map of Ontario, East Central Sheet | Map P.1099 | 1" = 16 miles |
| | 1982 | Mineral Potential Map of Ontario, East Central Sheet | OFR 5327 | 1" = 16 miles |
| Springer, J. | 1977 | Ontario Mineral Potential, Northern Part of Sudbury Sheet and Part of North Bay Sheet | Map P.1512 | 1:250 000 |
| | | GEOCHEMICAL | | |
| | | No data available as of April 1, 1988 | | |
| | | GEOLOGICAL REPORTS AND MAPS | | |
| Adlington, R. | 1982 | Trill Tp., Sudbury Data Series | Map P.2551 | 1" = ¼ mile |
| Barlow, A. E. | 1901 | Nickel and Copper Deposits | GSC AR 14, pt. H | p. 75 |
| Burrows, A. G., Rickaby, H. C. | 1929 | Sudbury Basin Area | ODM AR 38, pt. 3, Map 38g | p. 49<br>1" = 1½ miles |
| Burwasser, G. J. | 1976 | Quaternary Geology and Granular Resources of the Sudbury Basin Area | OGS OFR 5185 | p. 89 |
| | 1979 | Quaternary Geology of the Sudbury Basin Area, District of Sudbury | OGS GR 181 | |

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| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Card, K. D. | 1978 | Geology of the Sudbury-Manitoulin Area | OGS GR 166 | |
| Coleman, A. P. | 1903 | The Sudbury Nickel Deposits | BOM AR 12 | pp. 235-303 |
| | 1905 | The Sudbury Nickel Field | BOM AR 14, pt. 3 | pp. 95-96 |
| | 1912 | Geological Map of Sudbury Nickel Region | Canada Dept. of Mines, Mines Branch | 1" = 1 mile |
| Cooke, H. C. | 1946 | Problems of Sudbury Geology, Ontario | GSC Bulletin 3 | |
| Lafleur, J., Dressler, B. O. | 1985 | Geology of Cascaden, Dowling, Levack and Trill tps., District of Sudbury | OGS OFR 5533 | |
| Milne, V. G., White, O. L. Barlow, R. B., Kustra, C.R. | 1980 | Summary of Field Work, 1980 of the OGS | OGS MP 96 | pp. 83-86 |
| | 1982 | Summary of Field Work, 1982 of the OGS | OGS MP 106 | pp. 73-79 |
| Shklanka, R. | 1969 | Copper, Nickel, Lead and Zinc Deposits of Ontario | MRC 12 | p. 282 |
| Sopher, S. R. | 1963 | Paleomagnetism Study of the Sudbury Irruptive | GSC Bull. 90 | pp. 1-34 |
| Thomson, S. E. | 1965 | Geology of the Sudbury Basin Area | ODM AR 65, pt. 3<br>ODM Map 1956-1 | pp. 1-56<br>1" = 1 mile |
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| Vos, M. A., Abolins, Tanya, McKnight, R. L. W., Smith, Violet | 1983 | Industrial Minerals of Northern Ontario | OGS OFR 5386 | pp. 172, 173 |

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| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Wright, J. F. | 1958 | Sudbury, ON | GSC Map 1063A | 1" = 8 miles |
| | | JOURNAL ARTICLES, THESES, TECHNICAL REPORTS | | |
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|---|---|---|---|---|
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| Guy-Bray, J. V. | 1972 | New Developments in Sudbury Geology | GAC Spec. Paper 10 | pp. 1-5 |
| Kindle, Edward D. | 1933 | An Analysis of the Structural Features of the Sudbury Basin and their Bearings on Ore Deposition: Ph.D., Wisc. | | |
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| Peredery, W. V. | 1972 | The Origin of Rocks at the Base of the Onaping Formation, Sudbury, Ontario. Ph.D., UT. | | |
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|---|---|---|---|---|
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| Yates, A. B. | 1938 | The Sudbury Intrusive | Trans. Vol. 32 Sect. 4, Roy. Soc. Can., May | pp. 164, 165 |
| | 1948 | Properties of INCO. Structural Geology of Canadian Ore Deposits | Sym. CIMM Ch. 3, pt. 7 | pp. 611-613 |
| Young, D. A. | 1962 | Radioactive Conglomerates of the Agnew Lake Area, District of Sudbury, Ontario. B.Sc., Princeton | Sudbury Thesis File | |
| Zurbrigg, H. F. | 1933 | Study of Nickeliferous pyrrhotites. M.Sc., Queen's | ODM MP 2 | |

GDIF FORM NO.9

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | | | |

GDIF FORM NO.9

# NOTES AND ADDENDA

AERIAL PHOTOGRAPHS INDEX

Scale 1" = 1/4 mile

Sudbury Files

| Year | Roll | Line | Number |
|---|---|---|---|
| 1977 | 65 | 4621 | 249-257 |
| | 65 | 4620 | 89-93 |
| | 64 | 4619 | 167-172 |
| | 92 | 4622 | 185, 186 |
| 1973 | 17 | 4623 | 243-248 |
| | 22 | 4622 | 212-218 |
| 1959 | 17 | 4620 | 130-136 |

Ontario

Ministry of Northern Development and Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO

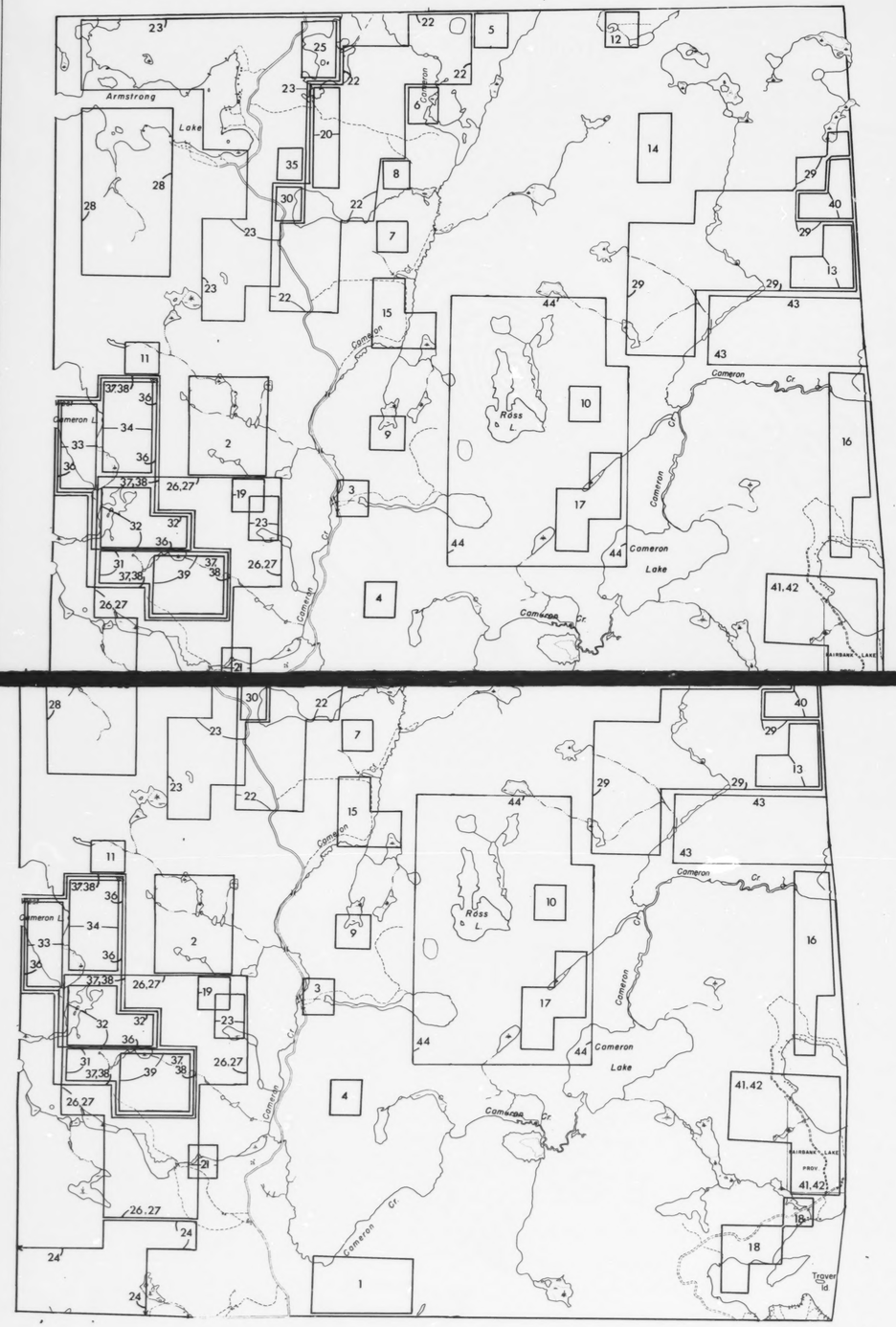
( Map 1 of 2 )

# TRILL TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile




## EXPLORATION DATA FILE AREAS

- Reference number is always inside work area outlined. See listing in text pages.
- Small area of exploration
- File covers whole township or area


Ontario

Ministry of Northern Development and Mines

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 461

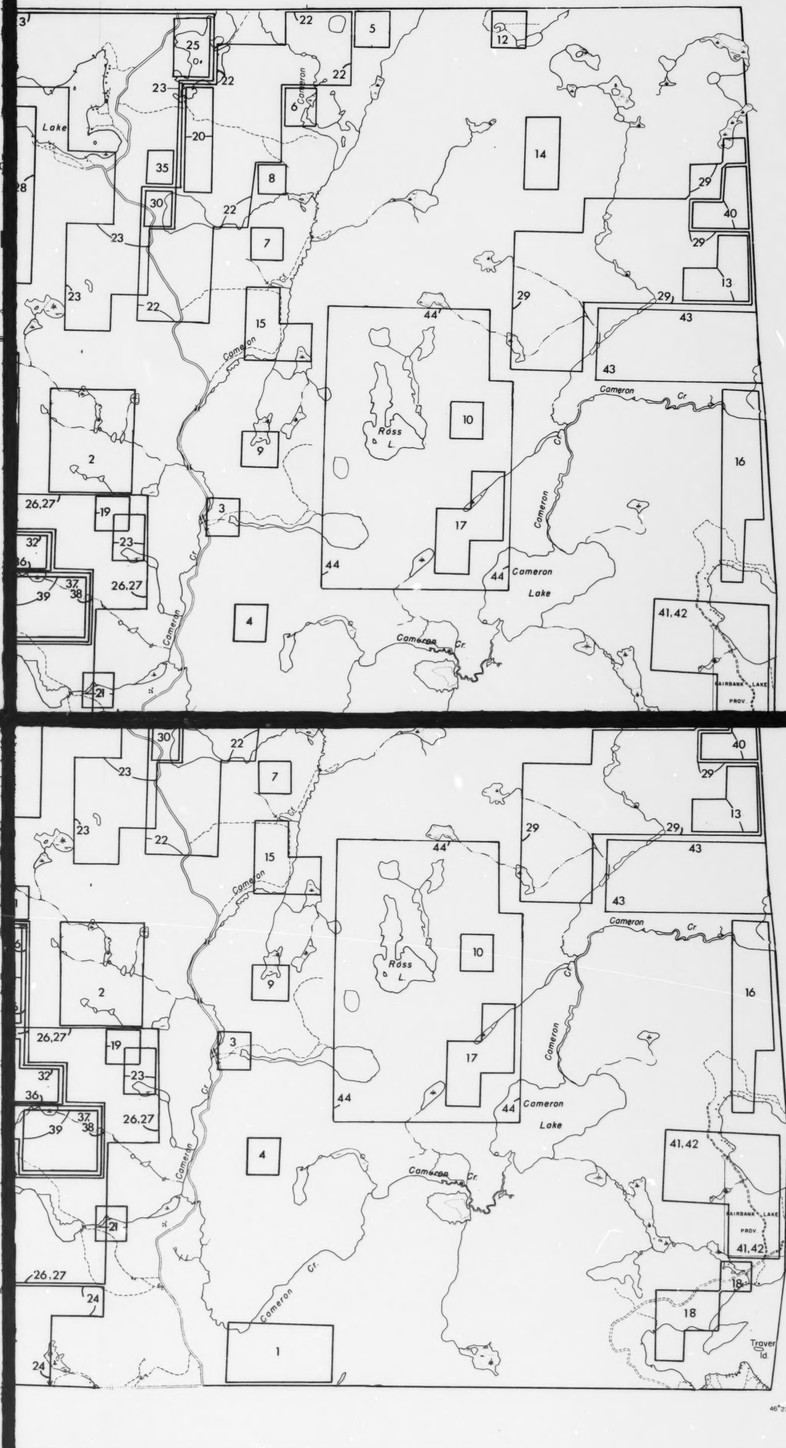
( Map 1 of 2 )

TRILL TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile



## EXPLORATION DATA FILE AREAS

- Reference number is always inside work area outlined. See listing in text pages.
- Small area of exploration
- File covers whole township or area

TYPES OF DATA SHOWN ON THIS MAP

### GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

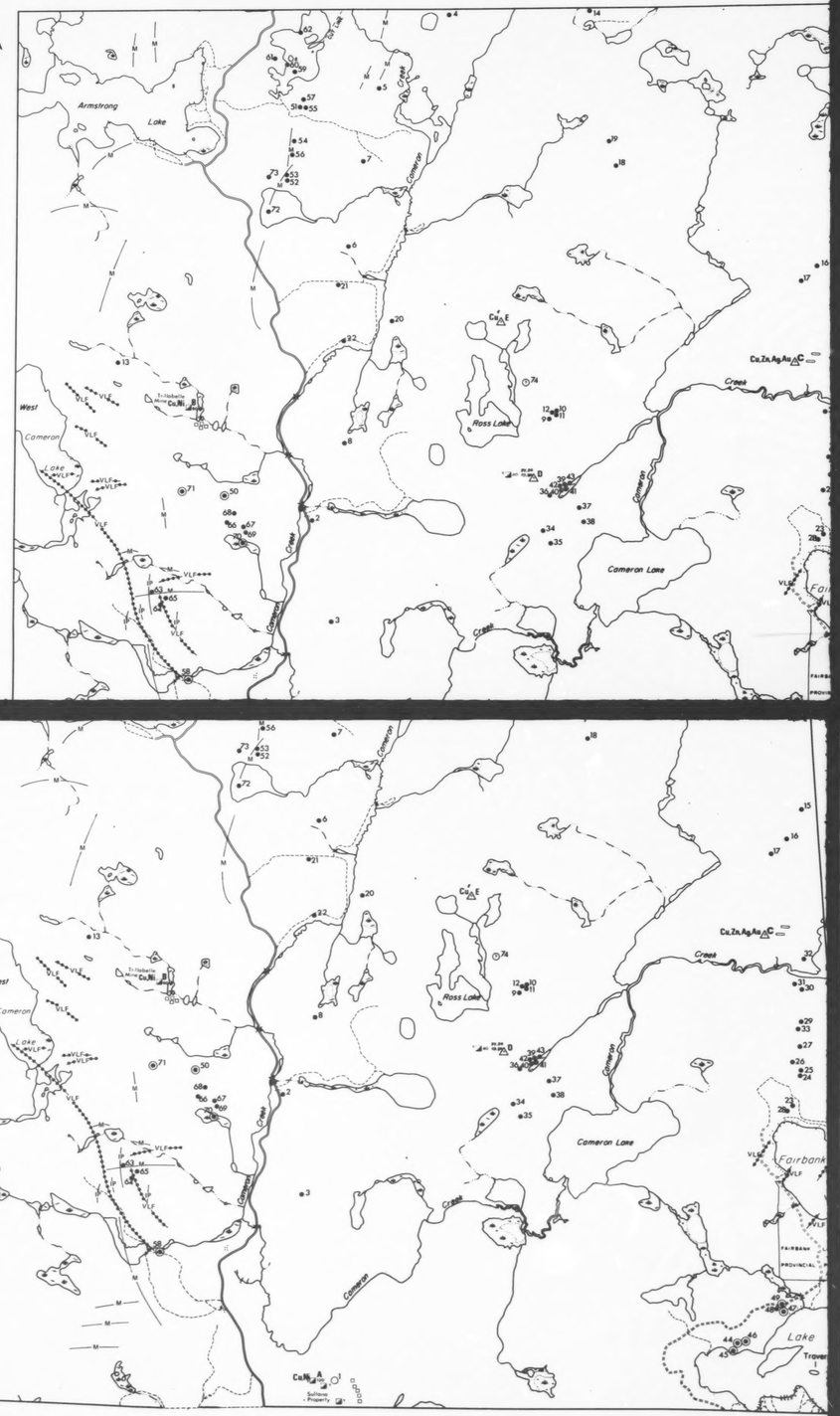
### GEOPHYSICAL ANOMALIES

- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly — Length of anomaly along flight line
- Airborne electromagnetic anomaly — Location of anomaly along flight line
- Airborne electromagnetic anomaly — Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop; VLF - Very low freq.; Turam; JEM - Crone Em - 16)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

### MISCELLANEOUS DATA

- Trenching, pit
- Rock quarry
- Adit
- Sand and/or gravel pit
- Open pit
- Shaft

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.




Armstrong Lake
Cameron
Ross Lake
Cameron Lake
Creek
West Cameron Lake
Fairbank Lake
Trevers
Cu,Zn,Ag,Au
Cu,Ni
Cu,Ni
Sullivan Property
FAIRBANK PROVINCIAL PARK

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ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 461

( Map 2 of 2 )

# TRILL TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

### GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

#### MINERAL OCCURRENCES

- cp A — Mineral occurrence at surface, with reference letter
- Au A — Mineral occurrence with shaft, depth given with reference letter
- Ag A — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A — Mineralized float with reference letter
- A — Mineral occurrence in drillhole, with reference letter, and drillhole number

#### DRILLHOLES

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number

46° 27'

81° 16'